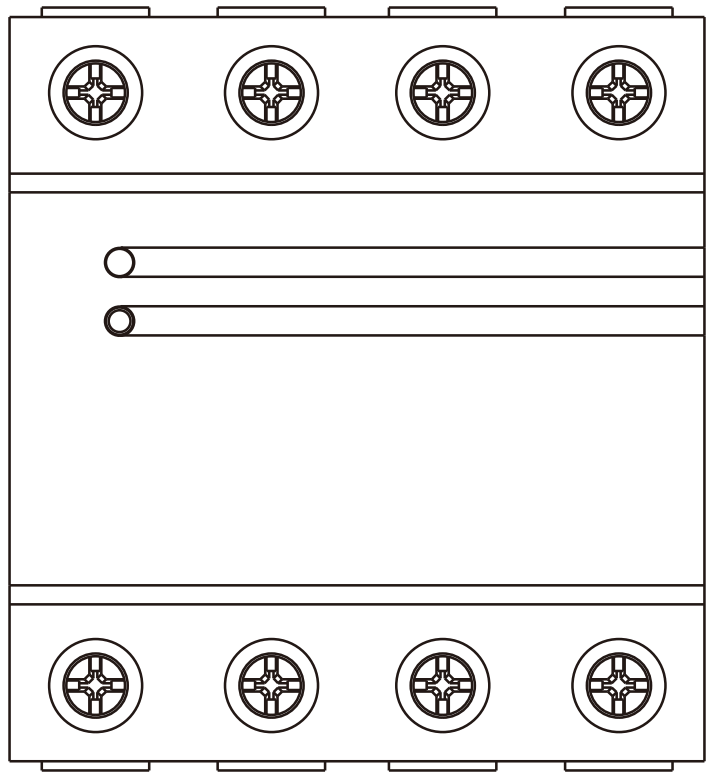


CB432-DP Din-Rail Double Pole

Quick Start Guide

Safety Handling

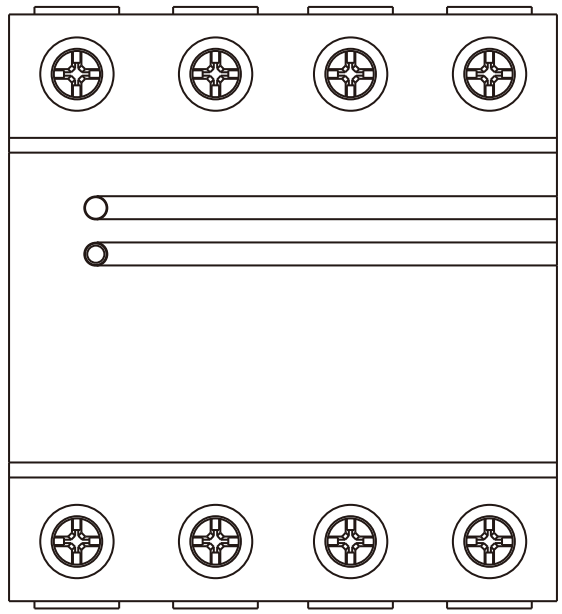
WARNING: Failure to follow these safety notices could result in fire, electric shock, other injuries, or damage to the circuit breaker and other property. Read all the safety notices below before using the circuit breaker.

- Avoid high humidity or extreme temperatures.
- Avoid long exposure to direct sunlight or strong ultraviolet light.
- Do not drop or expose the unit to intense vibration.
- Do not disassemble or try to repair the unit yourself.
- Do not expose the unit or its accessories to flammable liquids, gases or other explosives.

Technical Specifications

Wireless Connectivity	
ZigBee	• 2.4GHz IEEE 802.15.4
ZigBee Profile	• ZigBee 3.0
RF Characteristics	• Operating frequency: 2.4GHz • Range outdoor/indoor: 100m / 30m (Open area)
Physical Specifications	
Relay	• Neutral and live double break
Operating Voltage	• 100~240 Vac 50/60 Hz
Power consumption	• < 1W
Calibrated Metering Accuracy	• ⩽ 100W (Within ±2W) • >100W (Within ±2%)
Max. Load Current	• 50Amps
Operating environment	• Temperature: -20℃ ~ +55℃ • Humidity: ⩽ 90% non-condensing
Dimensions	• 72(L) x 81(W) x 62 (H) mm
Weight	• 222g

1 Welcome



Description:

The Din-Rail Circuit Breaker CB432-DP is a device with wattage (W) and kilowatt hours (kWh) measurement functions. It allows you to control special zone On/Off status as well as to check real-time energy usage wirelessly via your mobile App.

This guide will provide you with an overview of the product and help you get through the initial setup.

Note: Use the circuit breaker for no more than rated current 50A.

Features:

- ZigBee 3.0
- Work with any standard ZigBee Hub
- Relay with double-break mode
- Control your home device via Mobile APP
- Energy consumption measuring
- Extend the range and strengthen ZigBee network communication

2 Installation

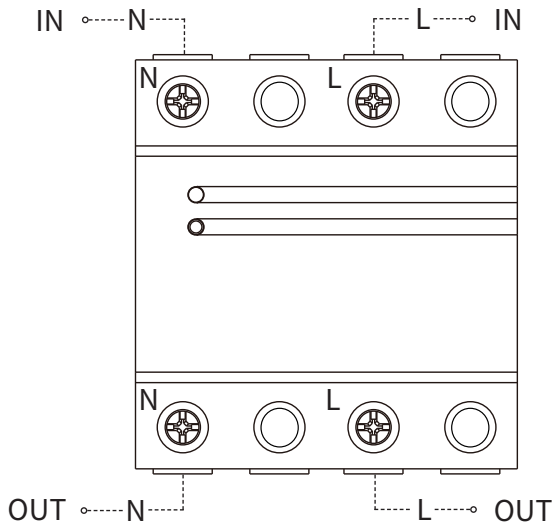
Important safety information!

- The circuit breaker must be installed and serviced only by a qualified electrical personnel.
- Do not touch the terminals of the device during testing.
- Turn off all the power supply for this equipment before installing.
- Make sure that the power supply is off before connecting or disconnecting it to an auxiliary device.
- Always use a properly rated voltage sensing device to confirm power is off.
- Replace all devices, doors and covers before applying power to the equipment.

Failure to follow these instructions will result in death or serious injury.

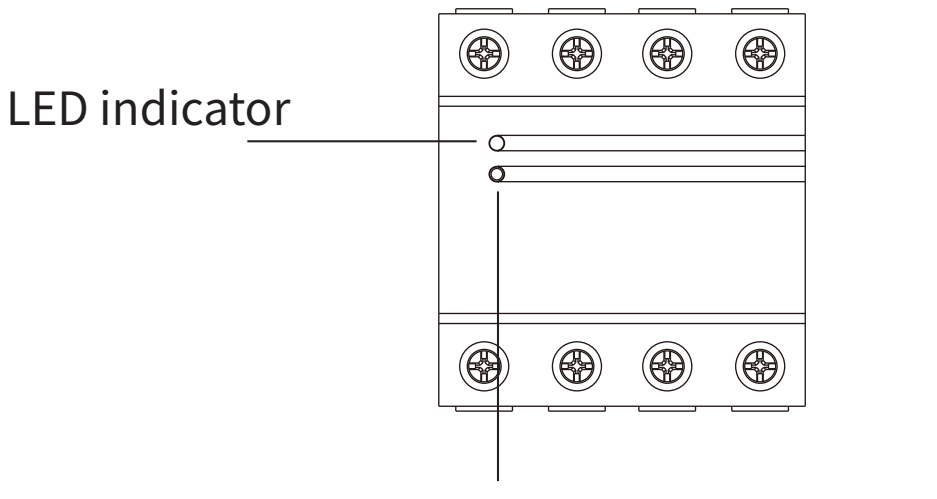
Get started:

Please keep the wiring diagram below for future reference.



Wiring Diagram

3 Get to know your device



Reset button

- **Pair mode.** Press and hold the Reset button for about three seconds until the LED indicator flashes three times. Then, you can bind the it with another device.
- **Reset.** Press and hold the Reset button for ten seconds. (The LED indicator will flash three times at third second and flash again at tenth second.) Then the Circuit Breaker has restored to default factory settings. (Note: This step will not clear the energy data.)
- **Clear energy data.** Restore the device to factory settings twice in a row, with a period of no more than 10 seconds.

LED indicator

The LED status gives the following information of the Circuit Breaker:

LED status	What it means
LED keep flashing	Device has not joined the network.
Steady LED	Device has joined the network.
Flashing three times	Identify mode/Return to Factory Settings.
Green LED	Device is ON.
Red LED	Device is OFF.

4 Configure Network

4.1 To get started, you will need:

- A Zigbee Gateway.
- A mobile phone with a mobile APP installed.

4.2 Adding to the gateway's network

1. Set your gateway to permit joining.
2. The LED indicator of the circuit breaker will start flashing after installation indicating it is ready to join the gateway's network.
3. The circuit breaker will join the gateway automatically and the LED indicator will become steady when successfully joined.
4. Now you can find the circuit breaker on the APP in your mobile phone. You can control on/off status as well as measure the power consumption of the electric circuit.

Note: If the circuit breaker fails to join the gateway's network within one minute, simply reset the circuit breaker and retry.